

COMBAT DIRECTION SYSTEMS ACTIVITY

DAM NECK



Face to the Force

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CDSA Dam Neck's Mission:

Arm warfighters with innovative capabilities by delivering force-level integrated and interoperable engineering solutions, mission critical control systems, and associated testing and training technologies which meet the requirements of the maritime, joint, special warfare and information operation domains.

CDSA Dam Neck's Vision: Provide a disciplined, cost-effective, technical base to meet customer needs with fiscally responsible, life cycle agile, interdependent solutions and capabilities across the Naval Enterprise and Joint domains.

CDSA Dam Neck provides Systems Engineering expertise to meet Warfighter requirements for Joint, Coalition and Interagency Maritime Command and Control systems, ensuring interoperability today and building interdependence for the future. Our diverse engineering and scientific work force is founded on the values of Trust, Responsiveness, Integrity, Stewardship and Leadership. Requirements Definition, Concept Refinement, Technology Development, Production, Deployment and Operations are our key value creation processes. We are the only NAVSEA Systems Activity located in a major fleet concentration area, which enables us to leverage our unique laboratories and facilities for training and capability development. Our location fosters collaboration with the Joint Forces Command, their service components and our Coalition partners.

Combat Direction Systems Activity (CDSA DN)

CDSA Dam Neck serves the Fleet as a tenant command at Naval Air Station Oceana Dam Neck Annex in Virginia Beach, VA. The Dam Neck base is located on Virginia's Atlantic shore, near the site where the Jamestown settlers first landed. Our geographic location and our balanced workforce enable CDSA Dam Neck to be the only Naval Sea Systems (NAVSEA) command that serves the U.S. Navy Fleet and coalition forces jointly with collaborative distributed technology. CDSA Dam Neck is the Fleet's advocate for issues in Joint Command and Control.

Although the command is small, approximately 350 strong, CDSA Dam Neck's geographic location, unique facilities, talented workforce and strong customer focus has made CDSA Dam Neck a recognized leader in Joint and Coalition testing and training. CDSA Dam Neck's unique location is within 30 minutes of 50 percent of the Navy's largest fleet concentration area, the headquarters for the U.S. Joint Forces Command (USJFCOM) – three of four JFCOM component commanders are located in the Hampton Roads area as well – and the only NATO command on U.S. soil. Having engineering capability in system architecture, network development, and a full staff to test and evaluate such systems enables CDSA Dam Neck to work with the warfighter in determining gaps in current Joint warfighter capabilities.

Electronic links with Navy, Joint, Coalition, contractor, academic and Interagency partners facilitate testing and training in the adjoining Virginia Capes (VACAPES) Operating Area, which offers the only test and training space in the world covered by land-based SPS-48, SPS-49 and SPY-1 radars. Available online hardware at CDSA Dam Neck provides the Joint Task Force an environment to support both tactical team training (surface and subsurface) and combat training systems, utilizing common sets of



equipment that support the Battle Force Integration Test (BFIT) via the Navy Distributed Engineering Plant (DEP).

This combination of electronic connectivity uses high-speed digital switch (HSDS) and the Dam Neck Annex Wide-Area Network (WAN) to provide the operational user or acquisition manager with access to the Cooperative Engagement Capability (CEC) Land-Based Test Site, Intel Links, C4I data, surveillance, search radars, and Over-the-Horizon Link connectivity. The Distributed Interactive Simulation (DIS) compliant Battle Force Training System, in conjunction with other Annex trainers, provides the Defense Simulation Internet (DSI) connectivity. The multi-functionality of this site in conjunction with the available hardware assets, support services, and intra facility DIS connectivity-provides the ideal environment and location for multi-service development testing, integration testing, technology assessment, training and Independent Verification and Validation (IV&V) activities for all domains (land, sea, air and space).

CDSA Dam Neck History

For over 39 years, CDSA Dam Neck has provided vital technical support to an ever-increasing variety of ships, aircraft and submarines. The command building, now called Hopper Hall, was built March 1, 1963, and was commissioned as the Fleet Computer Programming Center, Atlantic under the Fleet Anti-Air Warfare Training Center, Atlantic. The center's mission then, as now, involved planning, developing, testing and delivering computer programs for shipboard combat direction systems, or as they were once called, the Navy Tactical Data Systems (NTDS). The center was upgraded to Command status July 1, 1971. NAVSEA's CDSA, Dam Neck was realigned under the Naval Surface Warfare Center, Dahlgren Division (NSWC DD), with the designation as CDSA, Dam Neck.



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